

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT			1. CONTRACT ID CODE K	PAGE 1	OF 3	PAGES
2. AMENDMENT/MODIFICATION NO. P00007		3. EFFECTIVE DATE JULY 07, 2003		5. PROJECT NO. (If applicable)		
6. ISSUED BY DEFENSE ENERGY SUPPORT CENTER 8725 JOHN J. KINGMAN RD., SUITE 4950 FORT BELVOIR, VA 22060-6222 BUYER/SYMBOL - GLORIA J. EDMONDS PHONE: (703) 767-9519 FAX (703) 767-8506 P.P. 3.23		7. ADMINISTERED BY (If other than Item 6) CODE				
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code)			(X)	9A. AMENDMENT OF SOLICITATION NO. SP0600-02-R-0037-0001		
			X	9B. DATED (SEE ITEM 11) MARCH 27, 2003		
				10A. MODIFICATION OF CONTRACT/ORDER NO.		
				10B. DATED (SEE ITEM 13)		
CODE		FACILITY CODE				

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

☒ The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers ☒ is extended, ☐ is not extended.

Offer must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

(a) By completing Items 8 and 15, and returning 1 copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. Accounting and Appropriation Data (If required)

N/A

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

(X) A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.

B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc). SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).

C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:

D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor ☐ is not, ☒ is required to sign this document and return 1 copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

SEE ATTACHED

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) DAVID W. PETERSON	
15B. CONTRACTOR/OFFEROR (Signature of person authorized to sign)	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA BY (Signature of Contracting Officer)	16C. DATE SIGNED

- A. ACKNOWLEDGEMENT OF AMENDMENTS: ALL OFFERORS MUST ACKNOWLEDGE RECEIPT AND ACCEPTANCE OF ALL AMENDMENTS TO THE SOLICITATION. YOU MAY DO THIS BY SIGNING (BLOCK 15A, B AND C OF STANDARD FORM 30) AND RETURNING THE AMENDMENT OR BY WRITTEN ACKNOWLEDGEMENT OF RECEIPT AND ACCEPTANCE AS PART OF THE PROPOSAL SUBMISSION PACKAGE. PLEASE BE CERTAIN TO IDENTIFY ANY EXCEPTIONS TO THE SOLICITATION'S TERMS AND CONDITIONS.
- B. ADD THE FOLLOWING CLAUSE IS HEREBY ADDED TO THE SOLICITATION AND REPLACES CLAUSE C16.27 DATED (APR 2001). THIS CLAUS APPLIES TO BIODIESEL REQUIREMENTS ONLY.

C16.27 FUEL, BIODIESEL (B20) (DESC JUN 2003)

Offered product shall conform to the following requirements that define a fuel suitable for use in automotive diesel engines.

(a) **PRODUCT COMPOSITIONAL REQUIREMENTS.** Product shall consist of a blend of 20 percent (plus or minus one percent) virgin vegetable oil blendstock conforming to the requirements of ASTM D 6751 and 80 percent minimum low sulfur diesel fuel oil conforming to ASTM D 975, grade low sulfur number 1-D or grade low sulfur number 2-D.

(b) **PRODUCT PERFORMANCE REQUIREMENTS.** The finished biodiesel blend shall conform to the following requirements:

<u>TEST</u>	<u>METHOD</u>	<u>VALUE</u>
1. Appearance	ASTM D 4176, Procedure 1	Clear & Bright
2. Acid Number, mg KOH/g	ASTM D 664	0.2 max.
3. Density at 15°C, kg/L	ASTM D 4052 ASTM D 1298	0.86 - 0.90
4. Viscosity, mm/S at 40°C	ASTM D 445	1.3 - 4.1
5. Flashpoint, °C	ASTM D 93	Apr - Sep: 52 min. Oct - Mar: 38 min.
6. Cloud point, °C OR Cold Filter Plugging Point, °C	ASTM D 2500 ASTM D 6371	see (c) below see (c) below
7. Sulfur Content, mass %	ASTM D 2622	0.05 max.
8. Distillation Temperature, °C 90% evaporated	ASTM D 86	338 max.
9. Carbon Residue on 10% bottoms, mass %	ASTM D 524	0.35 max.
10. Cetane Number	ASTM D 613	40 min.
11. Ash Content, mass%	ASTM D 482	0.01 max.

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| 12. Water and Sediment, volume% | ASTM D 2709 | 0.05 max. |
| 13. Copper Corrosion, 3 hours @ 50°C | ASTM D 130 | No. 3 max. |

(c) **PRODUCT LOW TEMPERATURE PERFORMANCE.** The lower temperature performance of the B20 shall be defined by one of the following two properties: Cloud Point or Cold Filter Plugging Point (CFPP). Unless a more restrictive cloud point limit is specified in the contract schedule, the cloud point tested in accordance with ASTM D 2500 shall be equal to or lower than the tenth percentile minimum ambient temperature in the geographical area and seasonal timeframe in which the B20 is to be used, as specified in Appendix X4 of ASTM D 975. Unless a more restrictive CFPP limit is specified in the contract schedule, the maximum CFPP of the B20 shall be a minimum of 10 degrees Celsius below the tenth percentile minimum ambient temperature in the geographical area and seasonal timeframe in which the B20 is to be used, when tested in accordance with ASTM D 6371.

(d) **BLENDING.** Blending of diesel fuel and virgin vegetable oil to produce B20 shall be accomplished by one of the methods below.

- (1) Mechanical mixing or agitation in a tank;
- (2) In-line blending, prior to loading the product into transport equipment, i.e., tank wagon, tank truck, or tractor trailer; or
- (3) Blending via truck manifold which allows blending of the B20 components as they are offloaded if compartmentalized trucks are used.

The resultant product must meet all contract requirements of the desired fuel. Splash blending of B20 is not permitted in receipt tank.

(DESC 52.246-9FEL)

C. ALL OTHER TERMS AND CONDITIONS REMAIN UNCHANGED.